

GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2006, 19:15:11 ; Search time 2887 Seconds  
(without alignments)  
11159.507 Million cell updates/sec

Title: US-09-828-068-1  
Perfect score: 3896  
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Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 413469005 residues  
Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_NA\_Main:  
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9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq\*  
10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
1	3896	100.0	3896	3	US-09-828-068-1		Sequence 1, Appli
2	3882.4	99.7	4310	6	US-10-447-135-1		Sequence 1, Appli
3	3693.4	94.8	4640	7	US-10-437-963-40889		Sequence 40889, A
4	2952.2	75.8	9455	6	US-10-447-135-3		Sequence 3, Appli
5	173.6	4.5	871	7	US-10-425-114-4042		Sequence 4042, Ap
6	173.6	4.5	884	8	US-10-425-115-14077		Sequence 14077, A
7	105.4	2.7	1039	8	US-10-425-115-176502		Sequence 176502, A
8	98.8	2.5	835	8	US-10-425-115-128754		Sequence 128754, A
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23	41.4	1.1	246	9	US-10-450-763-26483		Sequence 26483, A

ALIGNMENTS

RESULT 1  
US-09-828-068-1  
; Sequence 1, Application US/09828068  
; Patent No. US20020157137A1  
; GENERAL INFORMATION:  
; APPLICANT: Moon, Yong-Hwan  
; APPLICANT: Chen, Lingling  
; APPLICANT: Sung, Zimway R.  
; TITLE OF INVENTION: NUCLEIC ACIDS THAT CONTROL REPRODUCTIVE DEVELOPMENT IN PLANTS  
; FILE REFERENCE: 018941-001400US  
; CURRENT APPLICATION NUMBER: US/09/828,068  
; CURRENT FILING DATE: 2002-04-11  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 3896  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (241)..(3411)  
US-09-828-068-1

Query Match	100.0%	Score 3896;	DB 3;	Length 3896;
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Db	61	GATTGATTGCTTCTGTGATATATCCAGAGCTGCTGTTTGTGTTTGTGTTTGTGTTT	120	
Qy	121	TGTCCTTGGATTGTTGATGCTAATTCGCGGCGGTTTCAAGATCACTGCTGATTGATAT	180	
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Qy	181	TGAGTTGTGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	240	
Db	181	TGAGTTGTGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	240	
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Db 301 GCTCGTGTGGAACTGGTGTGTAGCGCCAGTGTGGAGCTGCACAGCGACCGCTCGTCAG 360  
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RESULT 2
US-10-447-135-1
; Sequence 1, Application US/10447135
; Publication No. US20030199684A1
; GENERAL INFORMATION:
; APPLICANT: Hirochika, Hirohiko
; APPLICANT: Yamazaki, Munuo
; APPLICANT: Miyao, Akio
; TITLE OF INVENTION: A novel gene involved in brassinosteroid responses
; FILE REFERENCE: MAFF-1 DIV
; CURRENT APPLICATION NUMBER: US/10/447,135
; CURRENT FILING DATE: 2003-05-27
; PRIOR APPLICATION NUMBER: US 09/721,114
; PRIOR FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: JAPAN 2000-149106
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4310
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (655)...(3828)
US-10-447-135-1

Query Match 99.7%; Score 3882.4; DB 6; Length 4310;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 3894; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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Qy 1582 TCATCACTTATGAATCGGCTGAATGGAAAAAGAAAGAACTGGAAGTGTGCATCACACA 1641  
Db 2326 TCATCACTTATGAATCGGCTGAATGGAAAAAGAAAGAACTGGAAGTGTGCATCACACA 2385  
Qy 1642 GTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAAGTGACACCCTCGCGAGTACTCAG 1701  
Db 2386 GTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAAGTGACACCCTCGCGAGTACTCAG 2445  
Qy 1702 CATGATGATGAGAAATGATCTGAAAAATGGTCTTGACACAAATATGCAATAGACAGATGTC 1761  
Db 2446 CATGATGATGAGAAATGATCTGAAAAATGGTCTTGACACAAATATGCAATAGACAGATGTC 2505  
Qy 1762 TGTGAGATGATCAGAAAAATCTCCACACAGAGTGTCTCATCAAGGGGAAACAGCGGT 1821  
Db 2506 TGTGAGATGATCAGAAAAATCTCCACACAGAGTGTCTCATCAAGGGGAAACAGCGGT 2565  
Qy 1822 TTGAGTAAGGGGAAAAACACATTTGAGTACCAAAATATGCTGTAAGGACCCAGA 1881  
Db 2566 TTGAGTAAGGGGAAAAACACATTTGAGTACCAAAATATGCTGTAAGGACCCAGA 2625  
Qy 1882 AATGCTCAGAACATACATGTAATCTCAGCGCAGAAAGATCAATGCCAGATGGAACCGAAAAAC 1941  
Db 2626 AATGCTCAGAACATACATGTAATCTCAGCGCAGAAAGATCAATGCCAGATGGAACCGAAAAAC 2685  
Qy 1942 TCTGTTCTGAGTCACTCGGCAAAAGTTTCTCCAGCTGAGCATGATATCCAAATTTATGTC 2001  
Db 2686 TCTGTTCTGAGTCACTCGGCAAAAGTTTCTCCAGCTGAGCATGATATCCAAATTTATGTC 2745  
Qy 2002 GACCTTCATGAGCAGAGTCTACCCAGAAAGAAAAAGAACAACTTTGAAAGTGAATCGT 2061  
Db 2746 GACCTTCATGAGCAGAGTCTACCCAGAAAGAAAAAGAACAACTTTGAAAGTGAATCGT 2805  
Qy 2062 GAAAAACAGACCAATGATGATGACATCCCATGGATATTTGTAAGTCTGCTAGCTAAAAAC 2121  
Db 2806 GAAAAACAGACCAATGATGATGACATCCCATGGATATTTGTAAGTCTGCTAGCTAAAAAC 2865  
Qy 2122 CAGATGAGAGGAGCTTATGACTGAGACTGATTTGTTCTGACATCAACCGTATTTCAATCC 2181  
Db 2866 CAGATGAGAGGAGCTTATGACTGAGACTGATTTGTTCTGACATCAACCGTATTTCAATCC 2925  
Qy 2182 AAGACAACTGCTGATGATGATTTGTAAGTCTGCAAGGATGTTTCAGATTTATGCA 2241  
Db 2926 AAGACAACTGCTGATGATGATTTGTAAGTCTGCAAGGATGTTTCAGATTTATGCA 2985  
Qy 2242 TCAAAGTGTGTTGACACTAAATTTCCCAACAGAAAGTCTTTGGCATCCCAAGTATACAGAAAG 2301  
Db 2986 TCAAAGTGTGTTGACACTAAATTTCCCAACAGAAAGTCTTTGGCATCCCAAGTATACAGAAAG 3045  
Qy 2302 GAGTTACAGGCTCATTTGGCATTTGACACACAGAGTCTCCACATCTCCAGAACTTTTCAAG 2361  
Db 3046 GAGTTACAGGCTCATTTGGCATTTGACACACAGAGTCTCCACATCTCCAGAACTTTTCAAG 3105  
Qy 2362 TCTACTCAGGAAACAGCAGACACATTTGCGGATGGAAGAAATGTTGCTGCTCAAGC 2421  
Db 3106 TCTACTCAGGAAACAGCAGACACATTTGCGGATGGAAGAAATGTTGCTGCTCAAGC 3165  
Qy 2422 TCACCACTATTTTTCATCATGATGATCAGTATATTTGCTGAAGCACCACCTGAACTATGG 2481  
Db 3166 TCACCACTATTTTTCATCATGATGATCAGTATATTTGCTGAAGCACCACCTGAACTATGG 3225  
Qy 2482 GGCCTTAAGGAGCGAAAGAGCTAACGTTGGGAGCAATTTAAGGCCACTTACAAAGAAATCT 2541  
Db 3226 GGCCTTAAGGAGCGAAAGAGCTAACGTTGGGAGCAATTTAAGGCCACTTACAAAGAAATCT 3285  
Qy 2542 CCAGCAGCAACATGTGGTGTCTCAATTTTAGACTGTTGATCTGATGCTGATGCTTCT 2601  
Db 3286 CCAGCAGCAACATGTGGTGTCTCAATTTTAGACTGTTGATGCTGATGCTGATGCTTCT 3345  
Qy 2602 ACTCATGTCAAGGATCTTCCAGCAATTTATGATCTCGCAACAGCAATTTGCGCACCTG 2661  
Db 3346 ACTCATGTCAAGGATCTTCCAGCAATTTATGATCTCGCAACAGCAATTTGCGCACCTG 3405



Qy 2662 GACCGCTATGCTGAAGAGCGGTTAAACCAAGTCCATGCAAGAAATTTTCCAGCACAATA 2721  
Db 3406 GACCGCTATGCTGAAGAGCGGTTAAACCAAGTCCATGCAAGAAATTTTCCAGCACAATA 3465  
Qy 2722 GCAACCATGGAAGCAGTAAGTTATGTGATCGGAGAAATGCTGCAAGTAGTCTTGAT 2781  
Db 3466 GCAACCATGGAAGCAGTAAGTTATGTGATCGGAGAAATGCTGCAAGTAGTCTTGAT 3525  
Qy 2782 CCTAAAGAAATCCATGCGCTGCGACCGCATCTTCTGAGAAATGATGGATCCATCAACATTAGCA 2841  
Db 3526 CCTAAAGAAATCCATGCGCTGCGACCGCATCTTCTGAGAAATGATGGATCCATCAACATTAGCA 3585  
Qy 2842 AGCTTCCCAACTATGGAATCTTCTAGCAGGAACAGATGGAGTCTCAACTTCATAATTC 2901  
Db 3586 AGCTTCCCAACTATGGAATCTTCTAGCAGGAACAGATGGAGTCTCAACTTCATAATTC 3645  
Qy 2902 CAGTATGCACATAATCAGTACAAAGGATCAACAGCAGCATCATATGCGAGTAACCTGAAT 2961  
Db 3646 CAGTATGCACATAATCAGTACAAAGGATCAACAGCAGCATCATATGCGAGTAACCTGAAT 3705  
Qy 2962 GGAAGAAATTCATTCGAAATTCGAAAGACTTATCACGGCATCAGCTGCATGATCTGCACAGA 3021  
Db 3706 GGAAGAAATTCATTCGAAATTCGAAAGACTTATCACGGCATCAGCTGCATGATCTGCACAGA 3765  
Qy 3022 CCTTTACGCCACATCCTAGAGTTGGTGTGCTTGGCTCCTTGTGCGAGAGAAATTCGA 3081  
Db 3766 CCTTTACGCCACATCCTAGAGTTGGTGTGCTTGGCTCCTTGTGCGAGAGAAATTCGA 3825  
Qy 3082 AACTGGTCCGAGACTGTCGCACACATCTGGTTTATAGTTAGGAGTGTCAACAGGAATA 3141  
Db 3826 AACTGGTCCGAGAACTGTGGCAGACAACTGGTTTATAGTTAGGAGTGTCAACAGGAATA 3885  
Qy 3142 ACATCGCATCAGATGAACAGAAAGAAATTTTGAAGCCCTGAATCTCGAAATGTTTTCA 3201  
Db 3886 ACATCGCATCAGATGAACAGAAAGAAATTTTGAAGCCCTGAATCTCGAAATGTTTTCA 3945  
Qy 3202 GCAAAATGGAATGCAATTCGAGTTGGTGTGCTTGGTCCAGTCCAGTCCAGATTTTTATCAGC 3261  
Db 3946 GCAAAATGGAATGCAATTCGAGTTGGTGTGCTTGGTCCAGTCCAGTCCAGATTTTTATCAGC 4005  
Qy 3262 AGGAACAGCATAGCTCAATCTTGACAGAGGCAAGGTAAGTTGTTTCCATCCCTGGAT 3321  
Db 4006 AGGAACAGCATAGCTCAATCTTGACAGAGGCAAGGTAAGTTGTTTCCATCCCTGGAT 4065  
Qy 3322 CGGTTTGTGAGCAGGATATCTGTATACTAAACAAAGAACCCAGCTGATTTTACTACAAATC 3381  
Db 4066 CGGTTTGTGAGCAGGATATCTGTATACTAAACAAAGAACCCAGCTGATTTTACTACAAATC 4125  
Qy 3382 AGTAAACGATATGGAATTCAGCTGAGAGAAAGTGGTGTGATTAATTCCTG 3441  
Db 4126 AGTAAACGATATGGAATTCAGCTGAGAGAAAGTGGTGTGATTAATTCCTG 4185  
Qy 3442 AACATTTACATATACATTTTATGCGCGCAATAGTACATCTAGAGAGG 3501  
Db 4186 AACATTTACATATACATTTTATGCGCGCAATAGTACATCTAGAGAGG 4245  
Qy 3502 GCTTTGCTGGATCTGCTGAAGGCTTCTTGTAAAGTTGTGGATGCCCATTTTCTGGATGG 3561  
Db 4246 GCTTTGCTGGATCTGCTGAAGGCTTCTTGTAAAGTTGTGGATGCCCATTTTCTGGATGG 4305  
Qy 3562 GAACCTGCCAGACAGTGAAACAGGGCTTTTGCAGAGGTGCAGCATCCGGTTTGTGTTGCC 3621  
Db 4306 GAACCTGCCAGACAGTGAAACAGGGCTTTTGCAGAGGTGCAGCATCCGGTTTGTGTTGCC 4365  
Qy 3622 AGTCCAAAGAAACGTCCTGTTTACTTTGTAGTTGATCTCATCTAGTGGCTGTTGTTGT 3681  
Db 4366 AGTCCAAAGAAACGTCCTGTTTACTTTGTAGTTGATCTCATCTAGTGGCTGTTGTTGT 4425  
Qy 3682 ACAAGGAGAAATGTGTAACCTTGTGTAAGAAATGTCCTCCCAATTTTGTAAATACCAATA 3741  
Db 4426 ACAAGGAGAAATGTGTAACCTTGTGTAAGAAATGTCCTCCCAATTTTGTAAATACCAATA 4485  
Qy 3742 AGGAGGTTTATAGTTGTGAGCTGTGTGACTGACGCGCAGAAATGGTTTTGTGCGGTG 3801

Db 4486 AGGAGGTTTATAGTTGTGAGCTGTGTGACTGACGCGCAGAAATGGTTTTGTGCGTG 4545  
Qy 3802 TTAAGGTTGAAACGACTAGCTCTCGTTATCAATGTGTGTAACTTCTAGATTGATGTGT 3861  
Db 4546 TTAAGGTTGAAACGACTAGCTCTCGTTATCAATGTGTGTAACTTCTAGATTGATGTGT 4605  
Qy 3862 TACCTTACTCTTGAAGTCAACACCGGAGAAATTTAC 3896  
Db 4606 TACCTTACTCTTGAAGTCAACACCGGAGAAATTTAC 4640

RESULT 4  
US-10-447-135-3  
; Sequence 3, Application US/10447135  
; Publication No. US20030199684A1  
; GENERAL INFORMATION:  
; APPLICANT: Hirochika, Hirohiko  
; APPLICANT: Yamazaki, Muneo  
; APPLICANT: Miyao, Akio  
; TITLE OF INVENTION: A novel gene involved in brassinosteroid responses  
; FILE REFERENCE: WAFP-1 DIV  
; CURRENT APPLICATION NUMBER: US/10/447,135  
; CURRENT FILING DATE: 2003-05-27  
; PRIOR APPLICATION NUMBER: US 09/721,114  
; PRIOR FILING DATE: 2000-11-22  
; PRIOR APPLICATION NUMBER: JAPAN 2000-149106  
; PRIOR FILING DATE: 2000-05-19  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3  
; LENGTH: 9455  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
US-10-447-135-3

Query Match 75.8%; Score 2952.2; DB 6; Length 9455;  
Best Local Similarity 87.4%; Pred. No. 0;  
Matches 3487; Conservative 0; Mismatches 23; Indels 481; Gaps 4;  
Qy 386 ACGAACCGGCACAAACCAATGCGAGCATTTCTCCATAGAGGGTATGTCTTCTTC 445  
Db 5447 ATGCATCTTTATTAATGATATCTTATTTTCTGTACAGAGGTATGTCTTCTTC 5506  
Qy 446 AGAAGAGGATCCAAATTTCTGCTCTCTATCTCGAATTTTCCATGACCAAGAAATGTG 505  
Db 5507 AGAAGAGGATCCAAATTTCTGCTCTCTATCTCGAATTTTCCATGACCAAGAAATGTG 5566  
Qy 506 ATGAACACAAAGCTAGTTCAAGCCCATTTTCTGTAGCAAGTTTTCGACGATGGATTGCT 565  
Db 5567 ATGAACACAAAGCTAGTTCAAGCCCATTTTCTGTAGCAAGTTTTCGACGATGGATTGCT 5626  
Qy 566 CGAAGTCTTGGATAGTTGAAAACCTTCAGATAATGGAACAGCACCAGAACTCTTCCCG 625  
Db 5627 CGAAGTCTTGGATAGTTGAAAACCTTCAGATAATGGAACAGCACCAGAACTCTTCCCG 5686  
Qy 626 CAAAGCAGAAATGCAACAGTGTGTGCTCCATCACATTTGTTGCGAGCACCTTTGTGTC 685  
Db 5687 CAAAGCAGAAATGCAACAGTGTGTGCTCCATCACATTTGTTGCGAGCACCTTTGTGTC 5746  
Qy 686 CTGCTAGTGTGTTCCCAAAAAGTGTCTCTAGCAACAAATCATCTCAAGGGAAGAATG 745  
Db 5747 CTGCTAGTGTGTTCCCAAAAAGTGTCTCTAGCAACAAATCATCTCAAGGGAAGAATG 5806  
Qy 746 CTGATAGTCAACTCTTCCAAAGAGTGTGCAAGAGCAATGACTCCAAATGCAATGCCG 805  
Db 5807 CTGATAGTCAACTCTTCCAAAGAGTGTGCAAGAGCAATGACTCCAAATGCAATGCCG 5866  
Qy 806 CTTCTCGCAAGAAATGAGGCTGTGAGGCCAATACTGATTCACCAATGAA----- 854  
Db 5867 CTTCTCGCAAGAAATGAGGCTGTGAGGCCAATACTGATTCACCAATGAAATGATGTTAG 5926  
Qy 855 ----- 854

Db	5927	ATGTAGAGCCTTTCAAAATCTCTAAGTAGAGTATTTTAAAGGTATAGATAAACTAATGT	5986	Db	7007	ATATGTTGGTGAAGACCAACGACAGAAATGGTCAGAACATACATGTACTCAGCGCAGAGATCA	7066
Qy	855	-----AGATTGGCAAGGCCAGCGCCAAAATTATGATGTGGCAGCAATGT	899	Qy	1920	ATGCCAGATGGAAACCGAAAACTCTGTTCTGAGTCACCTCGGCAA-----	1963
Db	5987	TTGTGTGATTTCTCAGATTGCAAGGGCCAGGCCAAAATTATGATGTGGCAGCAATGT	6046	Db	7067	ATGCCAGATGGAAACCGAAAACTCTGTTCTGAGTCACCTCGGCAAAAGGTACGAATTTTGTG	7126
Qy	900	CTCTGAGGACAACACTTCTGTGTGATGTTGGGGCTTTACCTGAAAGTTCCCCAGATTAACATG	959	Qy	1964	-----	1963
Db	6047	CTCTGAGGACACACTCTCTGTGTGATGTTGGGGCTTTACCTGAAAGTTCCCCAGATTAACATG	6106	Db	7127	AATCATGAGGAATTTTGGCTTTTAAATTGACTGAATCAAACTTATCTGTATGAAGAA	7186
Qy	960	GCAATAGAGTAATAATGGTGCAGATCAACCTCCATCCATCCCAAACTTTCTGAGTGGT	1019	Qy	1964	-----	1963
Db	6107	GCAATAGAGTAATAATGGTGCAGATCAACCTCCATCCCAAACTTTCTGAGTGGT	6166	Db	7187	TAATATTTGGTCATAACAATGTTAAAGAAATATGCATACAATGTTATTATATATGCTTTCC	7246
Qy	1020	CCTCAAAAGAAATGAAGATGAATAATGAAAACCTGAAAGAGACTCTTGTGCTGAGCAGTG	1079	Qy	1964	-----	1963
Db	6167	CCTCAAAAGAAATGAAGATGAATAATGAAAACCTGAAAGAGACTCTTGTGCTGAGCAGTG	6226	Db	7247	ACTGTTCTTCTTACTTATGTTTGTGTAATCTCTTTTGTGTGTGCGTCATGTGCAATGT	7306
Qy	1080	CAATTTGACCAAGATCCTAACCCCAATGCTCTGGAAGGAAACGTCATCAGGTGCTGAGCA	1139	Qy	1964	-----	1963
Db	6227	CAATTTGACCAAGATCCTAACCCCAATGCTCTGGAAGGAAACGTCATCAGGTGCTGAGCA	6286	Db	7307	GTGTGTGTGTGTGTGTGTCGCGCGTGTGTGTGCACTGTGCGTGGCGCAATATTCCTTTTTT	7366
Qy	1140	GTGCAATTTGACCAAGATCCTAACCCCAATGCTCTGGAAGGAAACGTCATCAGGTGCTGAGCA	1199	Qy	1964	-----	1963
Db	6287	GTGCAATTTGACCAAGATCCTAACCCCAATGCTCTGGAAGGAAACGTCATCAGGTGCTGAGCA	6346	Db	7367	AGACTCATATATATAGTGTGATGTAATGGACTGACATTTTCTCTCATCTCCAGGTTT	7426
Qy	1200	TGAGCCATGTCAAGAAAGTTGTTCTCAAAAGAGCTCCAAATCTAAGAGGAAGACGGATAA	1259	Qy	1970	CTCAGCTGAGCATGATATATCCAAATATGTCGACCTTTCATGAGCAGAGCTACCCAGA	2029
Db	6347	TGAGCCATGTCAAGAAAGTTGTTCTCAAAAGAGCTCCAAATCTAAGAGGAAGACGGATAA	6406	Db	7427	CTCAGCTGAGCATGATATATCCAAATATGTCGACCTTTCATGAGCAGAGCTACCCAGA	7486
Qy	1260	GAAATTGATGAAGAGCAGCAGCAGCAAGCAAGAAACGCACTGCCAGGCTGATGTTTCAGA	1319	Qy	2030	AGAAAAGAGCAAAAACCTTGAAGTGAATCGTGAAGAAACAGACCATGATGATGACATCC	2089
Db	6407	GAAATTGATGAAGAGCAGCAGCAGCAAGCAAGAAACGCACTGCCAGGCTGATGTTTCAGA	6466	Db	7487	AGAAAAGAGCAAAAACCTTGAAGTGAATCGTGAAGAAACAGACCATGATGATGACATCC	7546
Qy	1320	TGCAAAAGCTTTGTGCGAGAAAGCCAAAAGAGTGGGGCTTCTATCAGAAAATTATAATGC	1379	Qy	2090	CCATGATATTTGTTGAACTGCTAGCTAAACACCAAGCATGAGAGGAGCTTATGATGAGA	2149
Db	6467	TGCAAAAGCTTTGTGCGAGAAAGCCAAAAGAGTGGGGCTTCTATCAGAAAATTATAATGC	6526	Db	7547	CCATGATATTTGTTGAACTGCTAGCTAAACACCAAGCATGAGAGGAGCTTATGATGAGA	7606
Qy	1380	TAAACAGGTTGAGGATTTCTAGAAGTGACGAAGTTTCATCGTGAATGCGCTGATCCCTG	1439	Qy	2150	CTGATTTGTTGACATCAACCGTATTCATCCAAAGCAAACTGCTGATGATGATGTTGTA	2209
Db	6527	TAAACAGGTTGAGGATTTCTAGAAGTGACGAAGTTTCATCGTGAATGCGCTGATCCCTG	6586	Db	7607	CTGATTTGTTGACATCAACCGTATTCATCCAAAGCAAACTGCTGATGATGATGTTGTA	7666
Qy	1440	TGAGGATGATAGAAGTACCATCCCGGTCCCGATGGAAGTAAAGCATGGAATTTCTGTTAG	1499	Qy	2210	TAGTAGCTGCCAAGATGTTTCAGATTTGATCAAGTGTGTTTGAACATAATTTCCCAAC	2269
Db	6587	TGAGGATGATAGAAGTACCATCCCGGTCCCGATGGAAGTAAAGCATGGAATTTCTGTTAG	6646	Db	7667	TAGTAGCTGCCAAGATGTTTCAGATTTGATCAAGTGTGTTTGAACATAATTTCCCAAC	7726
Qy	1500	CAACCATACAGTGGGAGAGATGGGTTAAATCAAGTAAGAACACAAACCGCAATA	1559	Qy	2270	AGAAAGTCTTTGGCATCCCAAGTACACAGAAGGATTAACAGGTCATTTGGCATTTGACCA	2329
Db	6647	CAACCATACAGTGGGAGAGATGGGTTAAATCAAGTAAGAACACAAACCGCAATA	6706	Db	7727	AGAAAGTCTTTGGCATCCCAAGTACACAGAAGGATTAACAGGTCATTTGGCATTTGACCA	7786
Qy	1560	CTCTGATGTTGATGATGATGATCATCTTATGAATGGCTGAATGGAATAAGAAAG	1619	Qy	2330	CACAAGATCTCCACATCTCCAGAACTTTTCAAGTCTTACTCAGGAAACAGACACATTTGC	2389
Db	6707	CTCTGATGTTGATGATGATGATCATCTTATGAATGGCTGAATGGAATAAGAAAG	6766	Db	7787	CACAAGATCTCCACATCTCCAGAACTTTTCAAGTCTTACTCAGGAAACAGACACATTTGC	7846
Qy	1620	AACTGGAAGTGTGCATCAACAGTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAGT	1679	Qy	2390	GGATGGAAGAAATGCTCACTATTTGCTCAAGCTCACCACCTATTTTCAATCATGATGATC	2449
Db	6767	AACTGGAAGTGTGCATCAACAGTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAGT	6826	Db	7847	GGATGGAAGAAATGCTCACTATTTGCTCAAGCTCACCACCTATTTTCAATCATGATGATC	7906
Qy	1680	GACACCACTGGCAGTACTCAGCATGATGATGAGTAATGATGATACTGAAAATGGTCTTGACAC	1739	Qy	2450	AGTATATTTGCTGAAGACCAACTGAAACATTTGGGGCCGTAAGGACGCAAAAGAGCTAACGT	2509
Db	6827	GACACCACTGGCAGTACTCAGCATGATGATGAGTAATGATGATACTGAAAATGGTCTTGACAC	6886	Db	7907	AGTATATTTGCTGAAGACCAACTGAAACATTTGGGGCCGTAAGGACGCAAAAGAGCTAACGT	7966
Qy	1740	AAATATGCAATAGACAGATGTTCTGTCAGCATGTTATCAGAAAATCTCCACACAGAGGTGCTC	1799	Qy	2510	GGGAGCAATTTTAAGGCCACTCAAGAAATTTCTCAGCAGCAACATGTGTGCTCAATTTA	2569
Db	6887	AAATATGCAATAGACAGATGTTCTGTCAGCATGTTATCAGAAAATCTCCACACAGAGGTGCTC	6946	Db	7967	GGGAGCAATTTTAAGGCCACTCAAGAAATTTCTCAGCAGCAACATGTGTGCTCAATTTA	8026
Qy	1800	ATCAAGGGGAAACACCGGGTTTGAAGTAAAGGGGAAAAACATTTCAAGTGTGATGATACCAA	1859	Qy	2570	GACCTGTTATCCAAAGCAGTTGATTTGACTTCTACTCATGTGATGGATCTTCCAGCAAT	2629
Db	6947	ATCAAGGGGAAACACCGGGTTTGAAGTAAAGGGGAAAAACATTTCAAGTGTGATGATACCAA	7006	Db	8027	GACCTGTTATCCAAAGCAGTTGATTTGACTTCTACTCATGTGATGGATCTTCCAGCAAT	8086
Qy	1860	ATATGTTGTTGAAGCAGCAAGAAATGGTCTCAGAACATACATGTTACTCAGCGCAGAGATCA	1919	Qy	2630	ATGCAATCTCGCAACACGATTAATTTGGGCCACTGGACCGCTTATGTAAGAGCGGTTTAAAC	2689
				Db	8087	ATGCAATCTCGCAACACGATTAATTTGGGCCACTGGACCGCTTATGTAAGAGCGGTTTAAAC	8146



Qy	3686	GGAGAAATGTTGAACCTTGTGAAAAAATGTCTCCCAATTTTGTAATTACCATTAAGGA	3745
Db	9227	GGAGAAATGTTGAACCTTGTGTG-AAAAAATGTCTCCECAATTTTGTAATTACCATTAAGGA	9285
Qy	3746	G GTTTATAGTGTGTGAGCTGTGTGTGACTGACCGCGAGAAAATGGTTTTGTTCGGTGTATA	3805
Db	9286	GGTTTATAGTGTGTGAGCTGTGTGTGACTGACCGCGAGAAAATGGTTTTGTTCGGTGTATA	9345
Qy	3806	G GTTGAACAACGACTAGCTCTCGTTATCAAATGTGTGTGTAAACTCTTAGAATTGATGTGTACC	3865
Db	9346	G GTTGAACAACGACTAGCTCTCGTTATCAAATGTGTGTGTAAACTCTTAGAATTGATGTGTACC	9405
Qy	3866	TTACTCTTGAAGTCAACACCGGAGAATTTTAC	3896
Db	9406	TTACTCTTGAAGTCAACACCGGAGAATTTTAC	9436
 RESULT 5 US-10-425-114-4042			
; Sequence 4042, Application US/10425114			
; Publication No. US20040034888A1			
; GENERAL INFORMATION:			
; APPLICANT: Liu, Jingdong			
; APPLICANT: Zhou, Yihua			
; APPLICANT: Kovalic, David K.			
; APPLICANT: Screen, Steven E			
; APPLICANT: Tabaska, Jack E			
; APPLICANT: Cao, Yongwei			
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With			
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement			
; FILE REFERENCE: 38-21(53313)B			
; CURRENT APPLICATION NUMBER: US/10/425,114			
; CURRENT FILING DATE: 2003-04-28			
; NUMBER OF SEQ ID NOS: 73128			
; SEQ ID NO 4042			
; LENGTH: 871			
; TYPE: DNA			
; ORGANISM: Zea mays			
; FEATURE:			
; OTHER INFORMATION: Clone ID: 700347436_FLI			
US-10-425-114-4042			
 Query Match            4.5%;    Score 173.6;    DB 7;    Length 871;			
Best Local Similarity    65.3%;    Pred. No. 3.2e-39;			
Matches    311;    Conservative    0;    Mismatches 144;    Indels    21;    Gaps    3;			
Qy	2960	ATGGAAGATTCATTGACATTCGAGACTTATCACGGCATCA--GCTGCATGATCTGC	3016
Db	105	ATGGAAGCCAACCGCTGACATGGAAGACTTGCTCGGGCTCATTTCCAGCAGACTTGC	164
Qy	3017	ACAGACCTTTACGCCACATCCTAGAGTTGGTGTGCTTGCGCTCCTTGCTGCAGAGAGAAA	3076
Db	165	GCAGGCCCTTTAGCCCTCACCCCTCGTGTGCGTGTGCTCGTTCATTGCTGCAGCAGAGA	224
Qy	3077	TTCCAACTGGTCGGAGAACTGTGGCACATCTGGTTATAAGTTAGAGTGTCAACAG	3136
Db	225	TCGCAACTGGTCTGGGAACTCGGGCCGACGCTGGGTACAGACTAGTAGTATTGTAAG	284
Qy	3137	GAATAACATCGCATCAGATGAACACAGAAAGAACATTTTGAAGCCCTGAAATTCCTGGAATGT	3196
Db	285	GGACAGGCCGCTGTATGCCACAGACGAGGAAATCTACGAGACCTTGA-----	332
Qy	3197	TTTCAGCAAAATGGAAATGCAATTGCAGTTGGGTTCTGTTAGCT-----CCAGTGCAGATT	3250
Db	333	GCTCGCAGAGATGGAAACACCCCTGCAGTTGGGTTCTGTTAGCTCTGCTGCCAATCTGGAGT	392
Qy	3251	TTTTTATCAGCGAGAACACAGATGCTCAATCTTTGGACACAGAGCGAAGGGTAAAAATGGTTC	3310
Db	393	ACCGGTTTCATGGTATGTTATGTTACGGTTCAGCCCTTCGACCACTGGCAATGGAGAGCAATTC	452
Qy	3311	ATCCCTTGGATCGGTTTGTGACAGAGGATATCTGTATATACTAAACAAGAAACCCAGCTGATT	3370
Db	453	ATCCGTTGGATAGCTCGTGAAGAGCAATCTGTGTGACTAACAGAAACCCAGCCGATT	512

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Qy 3371 TTACTACATCAATGACGATACGAGTATATGATTACCGCTGAAGCAGAAAGTGG 3426
Db 513 TCACTGTAATAGTGACAGACGAGTACATGAGAACCCCTTTGAAGAGAGAAAGG 568

RESULT 6
US-10-425-115-140777
; Sequence 140777, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 140777
; LENGTH: 884
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_59872C.1
US-10-425-115-140777

Query Match 4.5%; Score 173.6; DB 8; Length 884;
Best Local Similarity 65.3%; Pred. No. 3.3e-39;
Matches 311; Conservative 0; Mismatches 144; Indels 21; Gaps 3;

Qy 2960 ATGGAAGATTCATTCGATTCGAGACTTATCAGCGCATCA---GCTGCATGATCTGC 3016
Db 117 ATGGAAGCAACCGCTGACCTGGAAGACTTGTCTCGCGCTCATTTCCAGCAAGACTTGC 176

Qy 3017 ACAGACCTTTACGCCACATCTAGAGTTGGTGTCTTGGCTCTCTGTCGAGAAAGAA 3076
Db 177 CGAGGCTTTACGCCCTCACCTCGTGTGCGTGTCTCGGTTCAATTGCTGAGCAGGAGA 236

Qy 3077 TTGCAAACTGTCGAGAACTGTGCAACAACTCTGGTTATTAAGTTAGAGTGTCAACAG 3136
Db 237 TCGCAAACTGTCGGAACCTCGCGCGCAGTCTCGGTACAGACTAGTGTGTTAAAG 296

Qy 3137 GAATACATCCATCAGATGACAGAAAGAAACATTTTGAAGCCCTGAATCTCGAATGT 3196
Db 297 GGACAAAGCCGCTCATGCGCAACAGCAGAGAACTACGAGACCTTGA----- 344

Qy 3197 TTTACGAAAATGGAATGCATTTGCAAGTTGGGTTCTGTAGCT-----CCAGTGCAGATT 3250
Db 345 GCTCGCAGGATGGAACACCCCTGCAGTTGGGTTCTGTAGCTCTGCTGCCAATCTGGAGT 404

Qy 3251 TTTTATACGAGGAAACAGCATAGCTCAATCTTTGACACGAGGCAAGGTAATAATGGTTC 3310
Db 405 ACCGGTTTCCATGGTATGTATCGGCTCAGCTTCGACCACTGCGCAATGGAGGACCATTC 464

Qy 3311 ATCCCTTGATCGGTTTGTGACAGGATATCTGTATTAACCAAGAACCCAGCTGATT 3370
Db 465 ATCCGTTGATGATGCTGTGAGAGGATATCTGTGTACTAACAGAAACCCAGCCGATT 524

Qy 3371 TTACTACATCAATGACGATACGAGTATATGATTACCGCTGAAGCAGAAAGTGG 3426
Db 525 TCACTGTAATTAGTGACAGAAACGAGTACATGAGAACCCCTTTGAAAGAGAGAAAGG 580

RESULT 7
US-10-425-115-176502
; Sequence 176502, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.

```

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; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 176502
; LENGTH: 1039
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_92562C.1
US-10-425-115-176502

Query Match 2.7%; Score 105.4; DB 8; Length 1039;
Best Local Similarity 52.5%; Pred. No. 3.7e-19;
Matches 606; Conservative 0; Mismatches 421; Indels 128; Gaps 12;

Qy 481 ATTTCCATGACCCAGAAAAAATGTGATGAACACAAAGCTAGTTCAGGCCATTTTCTGTA 540
Db 4 ATTTCCATAACCCAGCCCAATATATGATGAGCACC---TGATTGCTCCCGAGTTTGGTG 60

Qy 541 GCAAAGTTTCAGCATGGGATTCCTCGAAGTGTCTTGATAAGTTGAAACCTTCAGATAAT 600
Db 61 TCAAAGTATCATCGATGGGATTCCTCAAGATGCTTGATAGTGTGGAAGTTTCAGGCCAT 120

Qy 601 GGAACAGCAC-CAAGAACTCTTCCCGCAAAAGCAGATGGCACAAGTGTGTTGCTCAT 659
Db 121 AGGCAACACTCGGAAAATGTTCTATGACGACAGATGAATGAATGATGCTGCTCTAT 180

Qy 660 CACATTTGTCGGAGCACTTTTGTGCTGTAGTGTGGTTCCTCAAAAAGTGTCTCTAG 719
Db 181 TTCAATTTGTCGGA-----TTTTGCTTAATAGTGTGATTTCCAGAAAGACTGTTTCTTG 234

Qy 720 CACA---CAATCATCTCAAGGAGAAATGCTGTAGATCAACTCTTCCAAAGAGTGTGCA 776
Db 235 CACACAGCAATCATCTCAAGGAA-----TGATCGATTGACCTTTTCAAAGACTGCCCA 288

Qy 777 AGAAGCAATGACTCCAAATGCAATGCGCTTCTGGCAAGAAATGGAGCTGTGAGGCCAA 836
Db 289 AGAATGCAAT---TCAAAATGCAAT---TCTCTGCGCAACAAAGCAATTACTGCGATGAA 342

Qy 837 TACTGATTCAACAATGAAGATTTGCAAGGCGCAGCCCAAAATATATGATGTGGCAGAAA 896
Db 343 TGTTCAGTAGCTGAAGAAAAATGTTCCAGAGGCACTCGTTGATACGAGGGTTCCATCTAT 402

Qy 897 TGTCTCTGAGGACAACACTTCTGTTGATGTTGGGCTTTTACCTGAAGTTTCCCGAGATTAC 956
Db 403 AGAAGTTTTCAGGCTCTCCCAATGATGATTTGTTGTCAGCAAAACATCTTGAATGCTGT 462

Qy 957 ATGGCACATAGAAGTAAATGGTGCAGATCAACCTCCATCCACTCCAAACATTTTCTGAAGT 1016
Db 463 CTCGAAGAATGTCCGCGATTTTACCTGATGATGTTGAAGAAAATGGCAGCAAGAACCCACA 522

Qy 1017 GGTCTCTCAAAAGAAATGAAGATGAATAAGGAAACTGAAGAGACTCTTGTGTCTGAGCA 1076
Db 523 CAGTCTAAAACCTTGTGTGGCGCCAAA----- 549

Qy 1077 GTGCAATTTGACCAAGATCTTAACCCCAATGTTCTGAAAGGACGTTGATCAGGTTGCTGA 1136
Db 550 -----TGAGATGAGATAACATAGCTAATGA 576

Qy 1137 GCAGTGCAATTTGACCAAGATCCGAAACCACTGTCTGGGCGAGAAATGTGAGCAGATCTG 1196
Db 577 TGACCTCAATGAGCCTTAATGTTGTTAAACCACTATCTGGGSCACAAAAGCAAAACAGTCTG 636

Qy 1197 CAATGAGCCATGTGAAGAGTTGTTCTCAAAAGAGCTCCAAATCTTAAGAGGAGACGGA 1256
Db 637 CAACATGGGTCCACCGCGAGCATCGTCAAAAAGAAATGTTGATCTGATGGTGAAGA---- 692

Qy 1257 TAAGAAAGTTGATGAAGAGCAGCAGCAGCAAGCAAGCAAGCAAGTGTGCTGCTTTC 1316

```

693 -----GGAAGGATTAATCTACTTAACTGCTGGTATTTC 729  
Db | | | | | | | | | | | | | | | | | | | | |  
1317 AGATGCAAGCTTTGTCCGGAAGAAGCC-AAAAAAGGTGC GGCTTCTATCAGAAATTATAA 1375  
Qy | | | | | | | | | | | | | | | | | | | | |  
730 AGATCTCAAATTTTGTACAGAAAAGCCAAAAAAGACAAGGCTGTTATCAGAACTCATAG 789  
Db | | | | | | | | | | | | | | | | | | | | |  
1376 ATGCTAACCAAGTTTGAGGATTTCTAGAGTGCAGC--AAGTTCATCGTGAAAATGCCGCTG 1432  
Qy | | | | | | | | | | | | | | | | | | | | |  
790 GTTCTGACAGGTAGGGGTTTTCTGCAGATGCCGTTCAAGTGGACCATACTAAACAGTGTG 849  
Db | | | | | | | | | | | | | | | | | | | | |  
1433 ATCCCTGTGAGGATGATPAGAAGTACCAATCCCGGTC CGATGGAAGTAAAGCATGGATATTC 1492  
Qy | | | | | | | | | | | | | | | | | | | | |  
850 ATCTGTGAGGGTGGTAAAAAGAAAAAATGCACCTTGAGGTTGGAAGGTAATCACACTA 909  
Db | | | | | | | | | | | | | | | | | | | | |  
1493 CTGTTAGCAACCATACAGTGGGAGAGATGGGTTAAATCAAGTAAAGACAAGACAAAC 1552  
Qy | | | | | | | | | | | | | | | | | | | | |  
910 CT-----AATGCAAGTGGACGAAATCAGGTCAGAGCTGTCAAGAACCAAGGCAAAAT 963  
Db | | | | | | | | | | | | | | | | | | | | |  
1553 GCAATACTCTGATGTTGTAGATGATGGATCATCACCTATATGA ACTGGCTCAATGGAAAAA 1612  
Qy | | | | | | | | | | | | | | | | | | | | |  
964 ACACAGAGTAGACAAGTTAGAGATGGATCCTCTTAATGA ACTGGCTGAAAGCACTA 1023  
Db | | | | | | | | | | | | | | | | | | | | |  
1613 AGAAAAGAACTGGAA 1627  
Qy | | | | | | | | | | | | | | | | | | | | |  
1024 ATAAGAAAGTTAGAA 1038  
Db | | | | | | | | | | | | | | | | | | | | |

```

RESULT 8
US-10-425-115-128754/c
; Sequence 128754, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 128754
; LENGTH: 835
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(835)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_48895C.1
US-10-425-115-128754

```

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Db      152  GAACCTTCGCCAGAAATCAGCAGAGAGACAGTGTGATGACTGACACCAATTCCTTTGGAA  93

Qy      2164  ATCAACCGTATTCAATCCAAAGACAACATGCTGTGATGAT  2199
          | | | | | | | | | | | | | | | | | | | | | |
Db      92   AACTGTCTATCTCAACCCAAAGGTAGTCCCAAGTTGAT  57

RESULT 9
US-10-425-115-128753/c
; Sequence 128753, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 128753
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Zea.mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(711)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_48894C.1
US-10-425-115-128753

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RESULT 10  
US-09-294-093B-2759  
; Sequence 2759, Application US/09294093B  
; Patent No. US20010051335A1  
; GENERAL INFORMATION:  
; APPLICANT: Lalgudi, Raghunath, V.  
; APPLICANT: Ito, Laura, Y.  
; APPLICANT: Sherman, Bradley, K.  
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL  
; FILE REFERENCE: PL-0009 US

```
; CURRENT APPLICATION NUMBER: US/09/294.093B
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,567
; PRIOR FILING DATE: April 21, 1998
; NUMBER OF SEQ ID NOS: 6207
; SOFTWARE: PERL Program
; SEQ ID NO 2759
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010051335A1 700346612H1
; NAME/KEY: unsure
; LOCATION: 28, 123, 150, 179, 191, 264
; OTHER INFORMATION: a, t, c, g, or other
US-09-294-093B-2759

Query Match      1.9%; Score 73.4; DB 3; Length 279;
Best Local Similarity 71.3%; Pred. No. 3.7e-10;
Matches 122; Conservative 0; Mismatches 45; Indels 4; Gaps 2;

Qy 2360 ATGGAAGATTCCATTGACATTCGAAGACTTATCAAGCATCA---CGTCATGATCTGC 3016
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 3017 ACAGACCTTTACGCCACATCCTAGAGTTGGTGTGCTTGGCTCCTTGTGTCGAGAGGAAA 3076
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 165 GCAGGCTTTAGCNCCTCACCTCGANTCGTGTGCTCGGTTCATTGTCGACGAGAGA 224
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 3077 TTGCAAACTGTGCGAGAACTGTGGCACAACTCTGGTTATAGTTAGGAG 3127
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 225 TCGCAAACTGTCTGGGAA-TGCGGGCGCAGTCTGGGTANAGACTAGGTG 274
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 11
US-10-425-115-137859
; Sequence 137859, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 137859
; LENGTH: 383
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_57203C.1
US-10-425-115-137859

Query Match      1.3%; Score 50.6; DB 8; Length 383;
Best Local Similarity 65.5%; Pred. No. 0.0023;
Matches 74; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

Qy 2330 CACAAGAGTCTCCATCCTCAGAACTTTTCACTTACTCAGGAAAGAGGACACATTTGC 2389
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 270 CAAAATTACCTGCTCTTGATGACATTTTGGAGTGTTACCAAGAAACAAAGACACATTC 329
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 2390 GGATGGAAGAAATGTCATATTGCTGCAAGCTCACCACCTATTTTCACATCAT 2442
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 330 ACAGGGATGAAGGGGTACCATTTGCATGTACCTCGCTATGTTTTCACATCAT 382
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 12
US-09-925-065A-549666
; Sequence 549666, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549666
; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-09-925-065A-549666

Query Match      1.2%; Score 45.4; DB 4; Length 583;
Best Local Similarity 44.8%; Pred. No. 0.1;
Matches 169; Conservative 1; Mismatches 207; Indels 0; Gaps 0;

Qy 1516 GAAGATGGTTTAAATCAAGTAAGAACACACAAACGCAAAATCTCTGATGTTGTAGAT 1575
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1576 GATGGATCATCATCTTATGAATCTGCTGAATGGAAGGAGGAGGAGGAGGAGGAGGAGGAG 1635
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 139 GAAAAAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 198
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1636 CACACAGTTGCTCATCTCAGCTGGGAATTTGAGCAACAAAAAAGTGACACCCCTGCCGAGT 1695
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 199 GAAAGAAAAATAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 258
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1696 ACTCAGCATGATGATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1755
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 259 GAAAAATAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 318
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1756 GATGCTGCTCAGCATGTATCAGAAATCTCCACACAGAGGTCCTCATCAAGGGGAGGAGGAG 1815
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 319 GAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 378
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1816 GCGGTTTGAAGAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1875
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 379 AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 438
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 13
US-09-925-065A-549666
; Sequence 549666, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
```

```
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549665
; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-549665
```

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Query Match 1.1%; Score 44.2; DB 4; Length 583;
Best Local Similarity 44.8%; Pred. No. 0.23;
Matches 169; Conservative 0; Mismatches 208; Indels 0; Gaps 0;

Qy 1516 GAAGATGGGTAAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1575
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 79 GAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 138

Qy 1576 GATGGATCATCTATTAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1635
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 139 GAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 198

Qy 1636 CACACATCTCTATCACTTATTAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1695
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 199 GAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 258

Qy 1696 ACTCAGCATGATGATGAGATGATCTGAAAAATGCTTTCACACAAATATGCATAGACA 1755
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 259 GAAAAATTAAGAAACCGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAA 318

Qy 1756 GATGCTGTGTCAGCATGTATCAGAAATCTCCACACAGAGGTGCTCATCAAGAGGGGAAAAACA 1815
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 319 GAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 378

Qy 1816 GCGGGTTTGATGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1875
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 379 AGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 438

Qy 1876 ACCAGAAATGCTCAGAA 1892
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 439 AAAAGAGAGAGAGAGAA 455
```

```
RESULT 14
US-09-925-065A-549668
; Sequence 549668, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549668
```

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; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-549668

Query Match 1.1%; Score 44.2; DB 4; Length 583;
Best Local Similarity 44.8%; Pred. No. 0.23;
Matches 169; Conservative 0; Mismatches 208; Indels 0; Gaps 0;

Qy 1516 GAAGATGGGTAAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1575
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 79 GAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 138

Qy 1576 GATGGATCATCTATTAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1635
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 139 GAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 198

Qy 1636 CACACATCTCTATCACTTATTAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1695
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 199 GAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 258

Qy 1696 ACTCAGCATGATGATGAGATGATCTGAAAAATGCTTTCACACAAATATGCATAGACA 1755
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 259 GAAAAATTAAGAAACCGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAA 318

Qy 1756 GATGCTGTGTCAGCATGTATCAGAAATCTCCACACAGAGGTGCTCATCAAGAGGGGAAAAACA 1815
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 319 GAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 378

Qy 1816 GCGGGTTTGATGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1875
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 379 AGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 438

Qy 1876 ACCAGAAATGCTCAGAA 1892
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 439 AAAAGAGAGAGAGAGAA 455
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```
RESULT 15
US-09-925-065A-549663
; Sequence 549663, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549663
; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-549663
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Query Match 1.1%; Score 43.8; DB 4; Length 583;
Best Local Similarity 44.6%; Pred. No. 0.3;
Matches 168; Conservative 1; Mismatches 208; Indels 0; Gaps 0;

Qy 1516 GAAGATGGGTAAATCAAGTAAAGAACAAACAAACGCAAACTCTGATGTTGTAGAT 1575
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```





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OM nucleic - nucleic search, using sw model

Run on: March 15, 2006, 04:18:23 ; Search time 1154 Seconds  
(without alignments)  
6001.196 Million cell updates/sec

Title: US-09-828-068-1

Perfect score: 3896

Sequence: 1 cgcggctgcggagcaacg.....gtcaacaccggagaattac 3896.

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_NA.\*

- 1: /cgn2\_6/ptodata/1/ina/1 COMB.seq.\*
- 2: /cgn2\_6/ptodata/1/ina/5 COMB.seq.\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/ptodata/1/ina/H COMB.seq.\*
- 6: /cgn2\_6/ptodata/1/ina/PP COMB.seq.\*
- 7: /cgn2\_6/ptodata/1/ina/RE COMB.seq.\*
- 8: /cgn2\_6/ptodata/1/ina/RE COMB.seq.\*
- 9: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	62.8	1.6	7218	2	US-08-232-463-14
C 2	45.4	1.2	274	3	US-09-313-294A-3959
C 3	45.2	1.2	1141	3	US-09-806-708B-22
C 4	41.4	1.1	1269	3	US-09-134-001C-197
C 5	41.4	1.1	2848	3	US-09-710-279-3560
C 6	40.8	1.0	2167	2	US-08-874-186-40
C 7	40.8	1.0	126982	3	US-09-949-016-16597
C 8	40.6	1.0	297	3	US-09-134-001C-215
C 9	40.6	1.0	5761	3	US-09-799-451-23
C 10	40.4	1.0	685	3	US-09-166-350-9
C 11	40.2	1.0	505	3	US-09-621-976-15639
C 12	39.8	1.0	601	3	US-09-949-016-33921
C 13	39.8	1.0	601	3	US-09-949-016-133049
C 14	39.8	1.0	1446	3	US-08-248-796A-6694
C 15	39.8	1.0	34068	3	US-09-949-016-15489
C 16	39.8	1.0	51711	3	US-09-949-016-12559
C 17	39.6	1.0	3257	3	US-09-710-279-4067
C 18	39.6	1.0	134890	3	US-09-949-016-15602
C 19	39	1.0	832	3	US-09-621-976-2813
C 20	38.8	1.0	1141	3	US-09-806-708B-22
C 21	38.8	1.0	2311	3	US-09-665-479A-19
C 22	38.2	1.0	395	3	US-09-894-844-45
C 23	38.2	1.0	19565	3	US-09-949-016-12096
C 24	38.2	1.0	19567	3	US-09-949-016-14114

Sequence 809, Appl  
Sequence 14, Appl  
Sequence 8976, Ap  
Sequence 60, Appl  
Sequence 26, Appl  
Sequence 19, Appl  
Sequence 535, App  
Sequence 2195, App  
Sequence 1, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 2, Appli  
Sequence 3, Appli  
Sequence 2, Appli  
Sequence 12648, A  
Sequence 16741, A  
Sequence 765, App  
Sequence 6914, Ap  
Sequence 2, Appli  
Sequence 1, Appli

## ALIGNMENTS

RESULT 1  
US-08-232-463-14/c  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHIFFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232.463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935.313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; CLONE: pTZ5gt-F18

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US-08-232-463-14
Query Match          1.6%; Score 62.8; DB 2; Length 7218;
Best Local Similarity 7.2%; Pred. No. 66-08;
Matches 31; Conservative 227; Mismatches 174; Indels 0; Gaps 0;

Qy 1182 ATGTGAGCAGATCTGCAATGAGCCATGTGAAGAAGTTGTTCTCAAAAAGAGCTCCAAATC 1241
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1497 ATGTAGGCATCACTGTAAATACCTATCTATGCAAGTAGTTAAAGAGATAGAAGAAATTTGG 1438

Qy 1242 TAAGAGNAGCGGTAAGAAGTTGATGAAGAAGCAGCAGCAGCAAGAAACCGACTGC 1301
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1437 TACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1378

Qy 1302 CCAGCTGATCTTTCAAGTCAAGAGCTTTGTGGAGAAAGCAAAAAGAGTGGCGCTTCT 1361
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1377 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1318

Qy 1362 ATCAGAAATTAATAATGCTAACAGGTTGAGGATCTTAGAAGTGAAGGATTCATCGTGA 1421
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1317 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1258

Qy 1422 AAATGCCGCTGATCCCTGTAGGATGATAGAAGTACCATCCCGTCCCGATGGAAGTAAG 1481
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1257 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1198

Qy 1482 CATGATATCTCTGTAGCAACCATACATGCGGAGAGATGGTTAAATCAAGTAAGAA 1541
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1197 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1138

Qy 1542 CAAGCAAAACGCAAAATCTCTGATGTTGTAGATGATGATCATCATTAAGTGGCT 1601
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1137 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1078

Qy 1602 GAATGGAAGAAA 1613
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1077 RRRRRRRRRRA 1066

RESULT 2
US-09-313-294A-3959
; Sequence 3959, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalqudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 3959
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700347436H1
; NAME/KEY: unsure
; LOCATION: 271
; OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-3959

Query Match          1.2%; Score 45.4; DB 3; Length 274;
Best Local Similarity 68.2%; Pred. No. 0.0017;
Matches 107; Conservative 0; Mismatches 46; Indels 4; Gaps 3;

Qy 2960 ATGGAAGATTCATTGACATTCGAAGACTTATCAGCGCATCAGCTGCATGA--TCTGCA 3017
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 105 ATGGAAGCAACCGCTGACATCGGAAGACTTGTCTCGGGCTCATTTCCAGCAAGACTTGC 164

US-09-806-708B-22/c
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)..(1141)
; OTHER INFORMATION: consensus sequence of A.t., L.a., and B.n. FAE1 promoters
US-09-806-708B-22

Query Match          1.2%; Score 45.2; DB 3; Length 1141;
Best Local Similarity 10.8%; Pred. No. 0.0058;
Matches 109; Conservative 344; Mismatches 560; Indels 0; Gaps 0;

Qy 404 AATCGGAGCATTTCTCCATAGAGGATATGTCTCTTTCAGAGAGAGATCCAAAT 463
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1091 WWTNHAKEGATMCWYWTGTNRRCMRTYAMRTWYTRSNANWSCATKBMWMTWKYATK 1032

Qy 464 TCTGCTCTATCTCGGATTTTCCATGACCAAGAAATATGTCAGAAACACAAAGTAGTT 523
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1031 YRTAWYAWCAWRNNNMWCAINGYAKSCATNNWYATTRWAAAYAAAKWAWAGNNRMWY 972

Qy 524 CAAGCCCATTTTCTGTAGCAAGTTTCGACGATGGGATGCTCGAAGTGTCTGGATAAGT 583
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 971 GAAAGNKGCMMAAMATMBGWADTAGKMCNNNNNNNNWTTDVRMMAMKAKNNNNNNNAYWTAC 912

Qy 584 TGAAAACTTCAGATAATGGAACAGCACCACCAAGAACTCTTCCCGCAAGAGAGATGCAAA 643
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 911 YNRJAATNNKMAHMKWTHGAHSKRTRHHHTRTCRRTKYNNNNNNNARIVYVYTHHAARRWM 852

Qy 644 GTGATGTTGCTCCATCATCATTTGTTCCGAGACACTTTTGTGCTCTAGTGTGTGTC 703
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 851 NAWWTRTNNNNNNNNNNACRNTRTWWABKHSWCNNNNNNNNNNNNNNNNNNNNNNNNNN 792

Qy 704 AAAAGTGTCTCTAGCACAATCATCTCAAGGAAGAAATGCTATAGATCAACTCTTC 763
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 791 CYRANNNNNAARMARTCNMYHAAVTTTHTDWCYKTMWNTWYDMMWMTMBTTTTRNNMTTS 732

Qy 764 CAAAGAGTGTGAAGAGCAATGACTCCAAATGCAATGCGCTCTTGTGCAAGATGGAG 823
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 731 TNMTNNNNNNMWA CTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 672

Qy 824 CTGCTGAGCCCAATACTGATTCAACAATGAAAGATTGTCAGAGGCCAGCCCAAAATATG 883
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 671 KTRWYSTTTRHHYTGATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 612

Qy 884 ATGTGGGAGCAAAATCTCTCTGAGGACAACACTCTGTGTCATCTTGGGGCTTTACCTGA 943
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 611 WRDFTTCTYDVWADSWVWYANWMMRCRDVYTRNNNTYCKSYAHSYVWYWSNNNANWYRYSA 552
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APPLICATION NUMBER: US/08/874,186  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/782,482  
FILING DATE: 10-JAN-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Saxe, Stephen A.  
REGISTRATION NUMBER: 38,609  
REFERENCE/DOCKET NUMBER: 24884-121392-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-962-4848  
TELEFAX: 202-962-8300  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2167 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: intron  
LOCATION: 1..247  
FEATURE:  
NAME/KEY: exon  
LOCATION: 248..367  
FEATURE:  
NAME/KEY: intron  
LOCATION: 368..2167  
US-08-874-186-40

Query Match 1.0%; Score 40.8; DB 2; Length 2167;  
Best Local Similarity 54.7%; Pred. No. 0.23; Mismatches 67; Indels 0; Gaps 0;  
Matches 81; Conservative 0;  
3610 TTTTGGTTTGGCAGTCCAGAAAGCTCTCTGTTACTTTTGTAGTTGTTACTCATCTAGT 3669  
171 TATTGTATTTCCATTTTAAAGTAAAGGCAAGGTGATATTTAAGATGTATAAGATAACAGA 230  
3670 GCGCTTGTGTACAGAGAGAAATGTGAACCTTGTGCAAAAAATGTCCTCCCATTTT 3729  
231 TATTGTATTTTATAGGCTGACTGTGGATCTGTATGGAACTCATGTCTACCTCGTTG 290  
3730 GTAATTACCAATAGAGGCTTTATAGTGT 3757  
291 ATAAGTTTACAATATGTATATAGTGT 318

RESULT 7  
US-09-949-016-16597  
Sequence 16597, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 16597  
LENGTH: 126982  
TYPE: DNA  
ORGANISM: Human

US-09-949-016-16597

Query Match 1.0%; Score 40.8; DB 3; Length 126982;  
Best Local Similarity 54.7%; Pred. No. 4.8;  
Matches 81; Conservative 0; Mismatches 67; Indels 0; Gaps 0;  
3610 TTTTGGTTTGGCAGTCCAGAAAGCTCTCTGTTACTTTGTAGTTGTTACTCATCTAGT 3669  
88856 TATTGTATTTCCATTTTAAAGTAAAGCAAGGTGATATTTAAGATGTATAAGATAACAGA 88915  
3670 GCGCTTGTGTACAGAGAGAAATGTGAACCTTGTGAAAAAAATGTCCTCCCATTTT 3729  
88916 TATTGTATTTTATAGGCTGACTGTGGATCTGTATGGAATCACTGTCTACCTCGTTG 88975  
3730 GTAATTACCAATAGAGGCTTTATAGTGT 3757  
88976 ATAAGTTTACAATATGTATATAGTGT 89003

RESULT 8

US-09-134-001C-215/c  
Sequence 215, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynh Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 215  
LENGTH: 297  
TYPE: DNA  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-215

Query Match 1.0%; Score 40.6; DB 3; Length 297;  
Best Local Similarity 49.8%; Pred. No. 0.061;  
Matches 103; Conservative 0; Mismatches 104; Indels 0; Gaps 0;  
713 CTCCTAGCACACATCATCTCAAGGGAAGAAATGCTGATAGATCAACTCTTCCAAAGAGTG 772  
208 CTATAAGTGAAGAAAGCAATCGAACGTAACAGGAGCGGTGGATTACGTTCAATTATAG 149  
773 TGAAGAGGCAATGACTCCAAATGCAATGCGCTTCTGGCAAGATGGAGCTGCTGAGG 832  
148 AAGAAGCATTAATTGACATCATGTATGTACCTTCTTCTGAAAATGTAAAGTAAAGTAG 89  
833 CCAATACGTATTCCACCAATGAAAGATTGCAAGGCGCCAGCCCAAAATATATATGTGGCAG 892  
88 TCATTACTGAACAACAATTAATGAGAAATGAGCCTGGAATTATATATCATGATGAAGGA 29  
893 CAAATGTCTCTGAGGACAAACATTTCTG 919  
28 ATCTAATTTAATAAGAACAAAGACATCTG 2

RESULT 9

US-09-799-451-23  
Sequence 23, Application US/09799451  
Patent No. 6783969  
GENERAL INFORMATION:  
APPLICANT: Tang, Y. Tom  
APPLICANT: Zhou, Ping  
APPLICANT: Goodrich, Ryle  
APPLICANT: Asundi, Vinod  
APPLICANT: Ren, Feiyan  
APPLICANT: Zhang, Jie







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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15489
; LENGTH: 34068
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-15489

Query Match      1.0%; Score 39.8; DB 3; Length 34068;
Best Local Similarity 52.8%; Pred. No. 3.7;
Matches 86; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

Qy 3568 GCCAGACAGTGAACAAGGGCTTTCGAAGTGCAGATCCGGTTTTGTTGGCCAGTCCA 3627
Db 16851 GGCTGGCAGCCAGCAGGCGCATGAGCAGGAGGCTGCTCATATATGCCAGTAGT 16792

Qy 3628 AGAAACGTCTCTCTTGTAGTTGTACTCATAGTGGCTTGTGTACAGG 3687
Db 16791 ATCAATTTCCCTTGTACTCATGATTTAAATTTAAAGTTTTTTTTTTTTTTAGA 16732

Qy 3688 AGAAATGTAACTTGTGTAATAAATGTCTCCCCATTTTG 3730
Db 16731 AATAGGCTCTCACTCTGTTGTACAGGCTGTATTGCCCAGGCTG 16689

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Search completed: March 15, 2006, 04:37:47  
Job time : 1157 secs

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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	45.4	1.2	583	6	US-09-925-065A-549666	Sequence 549666, Ap
2	44.6	1.1	3660	7	US-10-932-182A-2664	Sequence 2664, Ap
3	44.6	1.1	3660	7	US-10-932-182A-2664	Sequence 2664, Ap
4	44.2	1.1	583	6	US-09-925-065A-549665	Sequence 549665, Ap
5	44.2	1.1	583	6	US-09-925-065A-549665	Sequence 549668, Ap
6	43.8	1.1	583	6	US-09-925-065A-549663	Sequence 549663, Ap
7	43.8	1.1	583	6	US-09-925-065A-549664	Sequence 549664, Ap
8	43.8	1.1	583	6	US-09-925-065A-549667	Sequence 549667, Ap
9	41.8	1.1	610	6	US-09-925-065A-152158	Sequence 152158, Ap
10	41.4	1.1	610	6	US-09-925-065A-152157	Sequence 152157, Ap
11	41.4	1.1	2848	8	US-10-793-626-3560	Sequence 3560, Ap
12	40.8	1.0	279	7	US-10-932-182A-174387	Sequence 174387, Ap
13	40.8	1.0	279	7	US-10-932-182A-174387	Sequence 174387, Ap
14	40.2	1.0	563	6	US-09-925-065A-260701	Sequence 260701, Ap
15	40	1.0	634	6	US-09-925-065A-172529	Sequence 172529, Ap
16	39.6	1.0	447	6	US-09-925-065A-243259	Sequence 243259, Ap
17	39.6	1.0	3257	8	US-10-793-626-4067	Sequence 4067, Ap
18	39	1.0	169495	12	US-11-121-086-61	Sequence 61, App
19	38.6	1.0	509	6	US-09-925-065A-52464	Sequence 52464, A
20	38.6	1.0	2100	9	US-11-096-568A-27904	Sequence 27904, A





Db 259 GAAAAATAAGAAACRAAGGAGGGAAGGAAGGAAGGAAGTAATCAAGAGAGAGAGAGAGAA 318  
Qy 1756 GATGCTGTCAGCATGTATCAGAAATCTCCACACAGAGGTGCTCATCAAGAGGGGAAACA 1815  
Db 319 GAAGGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAATTAATGAAGAGGGAAGGA 378  
Qy 1816 GCGGGTTTGAGTAAGGGAACACATTCAGCTCTAGTACCAATATGGTGGTGAAGC 1875  
Db 379 AGGAAGAAAGGGAAGAAAGAAAGAAATTAATGAAGGAGGGAAGGAAGAAAGAAAT 438  
Qy 1876 ACCAGAAATGTCAGAA 1892  
Db 439 AAAAGAAAGAGAAAGAA 455

RESULT 7  
US-09-925-065A-549664  
; Sequence 549664, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925.065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 549664  
; LENGTH: 583  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-549664

Query Match 1.1%; Score 43.8; DB 6; Length 583;  
Best Local Similarity 44.6%; Pred. No. 0.32;  
Matches 168; Conservative 1; Mismatches 208; Indels 0; Gaps 0;  
Qy 1516 GAAGATGGGTTAAATCAAGTAAGAACAGACAAACGCAATATCTGTGATGTTGTAGAT 1575  
Db 79 GAAGGAAGGGAAGGAAGAAAGAAAGAAAGAAAGGAAGGAGAGAGAGAGAGAGAGAGAA 138  
Qy 1576 GATGATCATCATCTTATGAACTGCTGAATGGAAGAAAGAAAGAAAGAAAGTGTGAT 1635  
Db 139 GAAAAAGGGAAGGAAGAAATTAAGGAAATTAAGAAAGAAAGAAAGAAAGGGAATGGAA 198  
Qy 1636 CACACAGTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAGTGACACCCACTGCGAGT 1695  
Db 199 GAAAGAAAAATAAGGAAGGAGGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGAA 258  
Qy 1696 ACTCAGCATGATGATGAGAAATGATACTGAAATGGTCTTTGACACAAATATGCATAAGACA 1755  
Db 259 GAAAAATAAGAAACCAAGGAGGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGAA 318  
Qy 1756 GATGCTGTCAGCATGTATCAGAAATCTCCACACAGAGGTGCTCATCAAGGGGAAACA 1815  
Db 319 GAAGGAAGAAAGAAAGAAAGAAAGGAAGAAAGGAAGAAAGAAATTAATGAAGGGAAGGA 378  
Qy 1816 GCGGGTTTGAGTAAGGGAACACATTCAGCTGCTAGTACCAATATGGTGGTGAAGC 1875  
Db 379 AGGAAGAAAGGGAAGGAAGAAAGAAATTAATGAAGGAGGGAAGGAAGGAAGGAAGAAAT 438  
Qy 1876 ACCAGAAATGTCAGAA 1892

Db 439 AAAAGAAAGAGAAAGAA 455  
RESULT 8  
US-09-925-065A-549667  
; Sequence 549667, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925.065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 549667  
; LENGTH: 583  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-549667

Query Match 1.1%; Score 43.8; DB 6; Length 583;  
Best Local Similarity 44.6%; Pred. No. 0.32;  
Matches 168; Conservative 1; Mismatches 208; Indels 0; Gaps 0;  
Qy 1516 GAAGATGGGTTAAATCAAGTAAGAACAGACAAACGCAATATCTGTGATGTTGTAGAT 1575  
Db 79 GAAGGAAGGGAAGGAAGAAAGAAAGAAAGGAAGGAGAGAGAGAGAGAGAGAGAGAA 138  
Qy 1576 GATGATCATCATCTTATGAACTGCTGAATGGAAGAAAGAAAGAAAGTGTGAT 1635  
Db 139 GAAAAAGGGAAGGAAGAAATTAAGGAAATTAAGAAAGAAAGAAAGGGAATGGAA 198  
Qy 1636 CACACAGTTGCTCATCCAGCTGGGAATTTGAGCAACAAAAAGTGACACCCACTGCGAGT 1695  
Db 199 GAAAGAAAAATAAGGAAGGAGGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGAA 258  
Qy 1696 ACTCAGCATGATGATGAGAAATGATACTGAAATGGTCTTTGACACAAATATGCATAAGACA 1755  
Db 259 GAAAAATAAGAAACCAAGGAGGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGAA 318  
Qy 1756 GATGCTGTCAGCATGTATCAGAAATCTCCACACAGAGGTGCTCATCAAGGGGAAACA 1815  
Db 319 GAAGGAAGAAAGAAAGAAAGGAAGAAAGGAAGAAAGGAAGAAATTAATGAAGGGAAGGA 378  
Qy 1816 GCGGGTTTGAGTAAGGGAACACATTCAGCTGCTAGTACCAATATGGTGGTGAAGC 1875  
Db 379 AGGAAGAAAGGGAAGGAAGAAAGAAATTAATGAAGGAGGGAAGGAAGGAAGGAAGAAAT 438  
Qy 1876 ACCAGAAATGTCAGAA 1892  
Db 439 AAAAGAAAGAGAAAGAA 455

RESULT 9  
US-09-925-065A-152158/c  
; Sequence 152158, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single



```

: TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
: FILE REFERENCE: 108827.135
: CURRENT APPLICATION NUMBER: US/09/925,065A
: CURRENT FILING DATE: 2001-08-08
: PRIOR APPLICATION NUMBER: US 60/243,096
: PRIOR FILING DATE: 2000-10-24
: PRIOR APPLICATION NUMBER: US 60/252,147
: PRIOR FILING DATE: 2000-11-20
: PRIOR APPLICATION NUMBER: US 60/250,092
: PRIOR FILING DATE: 2000-11-30
: PRIOR APPLICATION NUMBER: US 60/261,766
: PRIOR FILING DATE: 2001-01-16
: PRIOR APPLICATION NUMBER: US 60/289,846
: PRIOR FILING DATE: 2001-05-09
: NUMBER OF SEQ ID NOS: 957086
: SOFTWARE: FastSEQ for Windows Version 4.0
: SEQ ID NO 152158
: LENGTH: 610
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-925-065A-152158

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	Query Match	1.1%;	Score 41.8;	DB 6;	Length 610;
	Best Local Similarity	49.3%;	Pred. No. 1.1;		
	Matches 109;	Conservative 0;	Mismatches 112;	Indels 0;	Gaps 0;
Qy	962	ACATAGAAGTAAATGGTGCAGATCAACCTCCATCCACTCCAAAACCTTTCTGAAAGTGTGCC	1021		
Db	414	ACATCAATATNAAGCTCCAGTGTTCCTTCATTGACTGGTGAGGTAGCTGAAATGTGCC	355		
Qy	1022	TCAAAAGAAATGAAGATGAAATGGAAAACTGAAGAGACTCTTGTGTTGCTGAGCAGTGCA	1081		
Db	354	TGAATCAAGGTGATTATGACACTAGTGACAAATGAAGATGCATTTGTTAACTGCAGAAA	295		
Qy	1082	ATTTTGACCAAGATCCTTAACCCCAATGCTCGAAGGAAACGTGATCAGGTTGCTGAGCAGT	1141		
Db	294	GAGTGCCTATGACAACTGGTGAAATGTGCGATGGGTTATTGAAAGGACTAGAGCAGT	235		
Qy	1142	GCAATTTTGACCAAGATCCGAAACCACTGTCTGGGCAGAAA	1182		
Db	234	GTGCATTTCATPACAAACACAGAAACCTGTGTCAGTTTATAAA	194		

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RESULT 10
US-09-925-065A-152157/c
; Sequence 152157, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; PRIORITY FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIORITY FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIORITY FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIORITY FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIORITY FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIORITY FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 152157
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-152157

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Query Match 1.18; Score 41.4; DB 6; Length 610;

[illegible]

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RESULT 11
US-10-793-626-3560/c
; Sequence 3560, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3560
; LENGTH: 2848
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-10-793-626-3560

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Query Match	1.1%;	Score 41.4;	DB 8;	Length 2848;
Best Local Similarity	49.8%;	Pred. No. 3.2;		
Matches 105;	Conservative 0;	Mismatches 106;	Indels 0;	Gaps 0;
QY	713	CTCCTAGCACACAATCATCTCAAGGGAAGAAATGCTGATAGATCAACTCTTCCAAAGAGTG	772	
Db	2021	CTATAGTGAANAAGCAATCGAACTGTAACAGAGGCGCTGGNTACGTTCAATTATATAG	1962	
QY	773	TGCAAGAAGGCAATGACTCCAATGCAATGCGCCTTCTGGCAAGAAATGGAGCTGCTGAGG	832	
Db	1961	AAGAAGACATTAATTGACATCATGTATGATGTACCTTCTTCTGAAAATGTAAGTAAAGTAG	1902	
QY	833	CCAAATCTGATTCCCAATGAAGAATTTGCAAGGGCCAGCCCAAAATATATGATGGCAG	892	
Db	1901	TCATTACTAGACAAACATTAATGAGAAATTTGAGCCTGAATTATGATGAAGGAA	1842	
QY	893	CAAAATGTTCTCGAGGACAACACTTCTGTGTA	923	
Db	1841	ATCTAAATTAAATAAGAACCAAGACATCTGCTTA	1811	

RESULT 12  
US-10-932-182A-174387/c  
; Sequence 174387, Application US/10932182A  
; Publication No. US20060046253A1  
; GENERAL INFORMATION:  
; APPLICANT: NAKAO, YOSHIHIRO  
; APPLICANT: NAKAMURA, NORIHISA  
; APPLICANT: KODAMA, YUKIO  
; APPLICANT: FUJIMURA, TOMOKO

```

; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 174387
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-174387

Query Match          1.0%; Score 40.8; DB 7; Length 279;
Best Local Similarity 47.6%; Pred. No. 1.4; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 132;

Qy      71  CTTCCTGTGATATATCCAGAGCTCGTGTTTTGTGTGCTTTGTGCTTTGTGCTTTGTGGA 130
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      263  CTGCTGTAGTATTGTGTGTGTGTGCTTGTGTGTGTGTGTGTGTGTGTGTGTTG 204

Qy      131  TTGTTGATGTCTAAATTGGCGGCGTTACAGATCACCTGCTGGATTGATATGAGTTGTC 190
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      203  TTGTTGTGTGACTTGTGTGTGTGTGCTACTTGTACTTGTGTGTGTGTGTGTGTGTGTTG 144

Qy      191  CTGGCTGTGCTGGCTGTGTGTGATTCTCTCCCTCGTCGGTGATCGATATGAGAGATTG 250
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      143  TTGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 84

Qy      251  TTGCAGTAGATCAGAGGGAGCTCGTGTGTGTGTGTGGGACCACTGATGCTTCGTGTTG 310
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      83  TTGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 24

Qy      311  GAACCTGGTGCTG 322

Db      23  CTGCTGTGCTGTG 12

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RESULT 13
US-10-932-182A-174387/c
; Sequence 174387, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 174387
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-174387

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	Query Match	1.0%;	Score 40.8;	DB 7;	Length 279;
	Best Local Similarity	47.6%;	Pred. No. 1.4;		
	Matches 120;	Conservative 0;	Mismatches 132;	Indels 0;	Gaps 0
QY	71	CTTCTGTCATATATCCAGACTCGTGTGTTTGTTGGTTTGGTTTGGTTTGGTTGCTTGGG	130		
Db	263	CTGCTGTAGTATTCTGTGTTGTGTGCTTGTGTGTTGTTGCTGTGTTGTTGTTGTTGTTG	204		
QY	131	TGTGTTGATGTGCTAATTCGCGCGTTACAAGATCACTGCTGGAATTCATATTGAGTTGTC	190		
Db	203	TTGTTGTTGTACTTGTGTTGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	144		
QY	191	CTGCGCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCG	250		

[illegible]

	Query Match	1.0%;	Score	40.2;	DB	6;	Length	563;
	Best Local Similarity	48.9%;	Pred. No.	2.9;				
	Matches	108;	Conservative	0;	Mismatches	113;	Indels	0;
QY	962	ACATAGAAAGTAAATGGTGAGATCAACCTCCATCCACTCCAAAACCTTTCTGAAGTGGTCC	1021					
DB	494	ACATCAATAATAAAGCTCCGGTTGTTCCITCATTTGACTGGTGAGGTAGCTGAAATGGTCC	435					
QY	1022	TCAAAAGAAATGAAGATGAAAATGGAAAAACTGAAGAGACTCTTTGCTTGACGACGTGCA	1081					
DB	434	TGAATCAAGGTGATTATGACACTAGTGACAAATGAAGATGACATTTGTTAACTATGCGAGAA	375					
QY	1082	ATTTGACCAAGATCCTTAACCCAATGCTCGAAGGAAACGTGATCAGGTTGCTGAGCAGT	1141					
DB	374	GAGTGCCTATAGACAAATCGTGAANAATGCGCATGGGTTATTGAAGGACTAGACGAGT	315					
QY	1142	GCAATTTGACCAAGATCCGAAACCGATGCTCGGCGAGAA	1182					
DB	314	GTGCATTCTCAACAAACAGGAACTCTGTGCAGTTTATAAA	274					

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RESULT 15
US-09-925-065A-712529
; Sequence 712529, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08

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; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 712529
; LENGTH: 634
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-712529
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Query Match      1.0%; Score 40; DB 6; Length 634;
Best Local Similarity 54.9%; Pred. No. 3.5;
Matches 79; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

Qy 1149 GACCAAGATCCGAAACGAGTCTCTGGCAGAAATGTGACGAGATCTCCTATGAGCCATG 1208
Db 196 GAAGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 255

Qy 1209 TGAAGAAGTCTTCTCAAAAGAGCTCCAAATCTAAGAGAGAGAGAGAGAGAGAGAGAG 1268
Db 256 AGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 315

Qy 1269 GAAGAAGCAGCAGCAGCAAGAA 1292
Db 316 GAAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 339
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Search completed: March 15, 2006, 19:40:57  
Job time : 921 secs

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